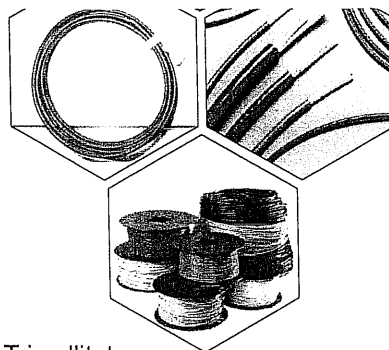




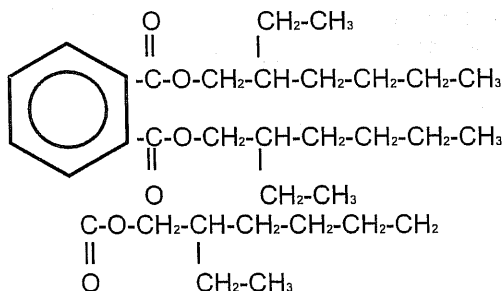
## TRI OCTYL TRIMELLITATE (TOTM)



### TRI OCTYL TRIMELLITATE (TOTM)

Primary plasticizer for PVC and PVC copolymers

<b>Chemical Nature</b>	Trimellitic anhydride acid ester of C <sub>8</sub> alcohol		
Chemical Name	:-	Tri( 2-Ethylhexyl ) Trimellitate	
Trade Name	:-	TOTM, TEHTM	
Molecular Formula	:-	C <sub>33</sub> H <sub>54</sub> O <sub>6</sub>	
Molecular Weight	:-	546.9	
Molecular Structure	:-	C6H3(COOC8H17)3	

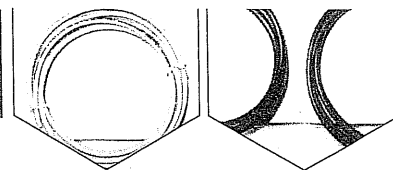


CAS Number	:-	3319-31-1
UN. NO	:-	
EINECS NO	:-	222-020-0

Specification	Characteristics	Unit	Test Method	Value
	Colour	HU	ASTM-D-1045-86	50 max.
	Volatile Loss (130°C/3Hrs)	wt. %	KLJTM	0.10 max.
	Ester Value	mg KOH/g	ASTM-D-1045-86	303-310
	Acidity	wt. %	ASTM-D-1045-86	0.030 max.
	Moisture	wt. %	ASTM-E-203	0.10 max.
	Specific Gravity (27°C)	-	ASTM-D-1045-86	0.985-0.995
	Ester content	wt. %	ASTM-D-1045-86	99.00 min.
	Heat Stability (180°C/2Hrs)	HU	ISI-9591-96	65
	Acidity after heat treatment	wt. %	ASTM-D-1045-86	0.05
	Plasticizing Esters by GC	%by area	KLJTM	99.00 min.
	Residual alcohol	%by area	KLJTM	0.10 max.

Magnesium Oxide • Sulfur • Waxes • Barium Sulfate • Alumina Trihydrate • Solvents • Zinc Oxide • Calcium Carbonates  
 Mica • Aromatic, Naphthenic, Paraffinic Process Oils • Gilsonite • Kaolin Clay • ASTM Reference Oils • Zinc Dust  
 Rubber Accelerators • EPDM • Precipitated Silica • Zinc Dust • White Oils • Transformer Oils • Metallic Stearates

## TRI OCTYL TRIMELLITATE (TOTM)



### Typical Properties

Volume Resistivity	Ohmcm	KLJTM	$5.0 \pm 1.0 \times 10^{11}$
Boiling Point @ 7 mbar	°C	lit.	283
Pour point	°C	lit.	-46
Viscosity at 20°C	cp	KLJTM	272-277
Flash Point	°C	KLJTM	250
Refractive Index (27°C)	--	ASTM-D-1045-86	1.483-1.487

### Properties

TOTM is almost colourless and oily liquid, free of foreign materials TOTM is a primary branched monomeric plasticizers for vinylhomopolymer and Copolymer resins. TOTM is suggested for use in those end-use areas where Extreme low volatility is required.

### Application

TOTM provide desirable properties in vinyl applications which require good plasticizer / resin compatibility , low volatility , resistance to extraction by soapy water and good electrical properties.

TOTM is often a good substitute for polyester polymeric plasticizers where improvements in processing are desired.

TOTM is a specialty plasticizer that offers permanence, good extraction resistance, superior high temperature performance and excellent electrical properties.

### Packing & Storage

TOTM is packed in 200/225 kg iron drum / HDPE drum, 20 - 22 MT in Flexi tank / ISO tank / road tanker. It is stored in tightly closed container, in a cool, dry ,ventilated area.

### Shelf Life

Original characteristics remain intact for 24 months, if kept in recommended storage,

### Safety

The MSDS can be provided on request.

### Disclaimer

The data contained in this publication are based on our current knowledge and experience. During processing, there are so many factors which may affect the application part of TOTM, so these data neither imply any guarantee of certain properties, nor the suitability of the product for the specific purpose. Any data given in this publication may change without prior information and donot constitute the agreed quality of our product.